

Amendments to the Claims

The listing of claims will replace all prior versions, and listings of claims in the application.

1. (Currently Amended) A method, comprising:
filtering a signal with a bandpass filter;
measuring image rejection and DC offset rejection of the filtered signal; and
adjusting a center frequency of the bandpass filter,
wherein the filtering, measuring, and adjusting is repeated until a compromise between DC offset rejection and image rejection is achieved, and
wherein the compromise is reached when the DC offset rejection is within acceptable tolerances and the image rejection meets minimum pre-specified requirements.
2. (Currently Amended) The method of claim 1, wherein the step of filtering comprises:
filtering the signal with the bandpass filter comprising two cross-coupled low pass filters.
3. (Currently Amended) The method of claim 2, wherein the step of adjusting comprises:
cross-coupling using cross-coupled variable resistors.

4. (Original) The method of claim 3, wherein the adjusting is done by varying the resistance of the cross-coupled variable resistors.

5-6. (Cancelled)

7. (Currently Amended) A system, comprising:
means for filtering a signal;
means for measuring image rejection and DC offset rejection of the filtered signal; and
means for adjusting center frequency of the means for filtering,
wherein the filtering, measuring, and adjusting is repeated until a compromise between DC offset rejection and image rejection is achieved, and
wherein the compromise is reached when the DC offset rejection is within acceptable tolerances and the image rejection meets minimum pre-specified requirements.

8. (Currently Amended) A system, comprising:
a bandpass filter ~~capable of filtering~~ configured to filter a received signal and ~~capable of having to have~~ a center frequency adjusted; and
at least one measurement circuit, communicatively coupled to the filter, ~~capable of measuring~~ configured to measure image rejection and DC offset rejection of the filtered signal,

wherein the bandpass filter and the at least one measurement circuit continue to filter, measure, and adjust the center frequency until a compromise between DC offset rejection and image rejection is achieved, and

wherein the compromise is reached when the DC offset rejection is within acceptable tolerances and the image rejection meets minimum pre-specified requirements.

9. (Currently Amended) The system of claim 8, wherein the bandpass filter comprises:

two cross-coupled low pass filters.

10. (Original) The system of claim 9, wherein the cross-coupling includes cross-coupled variable resistors.

11. (Original) The system of claim 10, wherein the adjusting is done by varying the resistance of the cross-coupled variable resistors.

12-13. (Cancelled)